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**Serial Number:** **10/686,481**

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**PALM INTRANET**

## Inventor Information for 10/686481

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1	US 7047763 B2	20060523	Constant differential pressure valve	62/527	251/129.15	Hirota; Hisatoshi
1	US 7040595 B2	20060509	Constant flow rate expansion valve	251/129.07		Hirota; Hisatoshi
1	US 7036744 B2	20060502	Solenoid valve- equipped expansion valve	236/92B	251/129.15; 62/225	Hirota; Hisatoshi
1	US 7021901 B2	20060404	Variable displacement compressor	417/222.2		Hirota; Hisatoshi et al.
1	US 7018179 B2	20060328	Capacity control valve for variable displacement compressor	417/222.2		Hirota; Hisatoshi
1	US 7014427 B1	20060321	Capacity controller of capacity variable compressor	417/218	137/625.64; 417/212	Hirota; Hisatoshi
1	US 6997001 B2	20060214	Method of operating a refrigeration cycle	62/192	62/225; 62/228.5	Hirota; Hisatoshi
1	US 6997000 B2	20060214	Refrigeration system and method of operation therefor	62/174	62/197; 62/216; 62/503	Hirota; Hisatoshi
1	US 6986498 B2	20060117	Differential pressure valve	251/30.04	251/30.03	Hirota; Hisatoshi et al.
1	US 6966365 B2	20051122	Outflow prevention device	165/286	137/115.05; 137/599.14; 62/197	Hirota; Hisatoshi et al.
1	US 6957663 B2	20051025	Solenoid control valve	137/613	137/491; 251/129.08; 251/129.18; 251/30.01	Hirota; Hisatoshi et al.
1	US	20050510	Method of	73/719	73/720;	Hirota;

	6889554 B2		adjusting pressure sensor		73/726	Hisatoshi et al.
1	US 6866242 B2	20050315	Proportional valve	251/129.07	251/129.17	Hirota; Hisatoshi
1	US 6860294 B2	20050301	Four-way switching valve	137/625.43	137/596.17	Hirota; Hisatoshi et al.
1	US 6823897 B2	20041130	Four-way switching valve	137/885	137/625.43; 62/324.6	Hirota; Hisatoshi et al.
1	US 6810911 B2	20041102	Four-way switching valve	137/625.43	137/625.49	Hirota; Hisatoshi et al.
1	US 6804970 B2	20041019	Method of controlling refrigeration cycle	62/133	62/228.3; 62/228.5	Saeki; Shinji et al.
1	US 6783110 B2	20040831	Proportional solenoid valve	251/129.21	251/129.08	Hirota; Hisatoshi et al.
1	US 6712281 B2	20040330	Expansion valve	236/92B	62/474	Hirota; Hisatoshi et al.
1	US 6694760 B2	20040224	Refrigerating cycle	62/181	62/178; 62/527	Hirota; Hisatoshi et al.
1	US 6662582 B2	20031216	Displacement control valve	62/228.3	417/222.2	Hirota; Hisatoshi et al.
1	US 6662581 B2	20031216	Variable displacement compressor and displacement control valve for variable displacement compressor	62/228.3	417/222.2	Hirota; Hisatoshi et al.
1	US 6612542 B2	20030902	Motor operated butterfly valve	251/129.12	137/870; 251/180; 251/77; 454/333	Hirota; Hisatoshi et al.
1	US 6612503	20030902	Expansion valve	236/92B	251/337; 62/225	Hirota; Hisatoshi

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1	US 6543672 B2	20030408	Method of forming vacuum chamber of control valve for variable capacity compressor	228/175	228/124.6; 228/177; 228/218; 228/226; 29/888.02; 29/888.044; 73/754	Hirota; Hisatoshi et al.
1	US 6532764 B1	20030318	Degree of supercooling control type expansion valve	62/527	62/528	Hirota; Hisatoshi et al.
1	US 6520419 B2	20030218	Supercooling degree control type expansion valve	236/92B	137/513.5	Hirota; Hisatoshi et al.
1	US 6484950 B2	20021126	Expansion valve	236/92B	137/315.11; 137/454.2; 62/225; 62/299	Hirota; Hisatoshi et al.
1	US 6457696 B1	20021001	Pilot operated flow regulating valve	251/30.02	251/33; 251/61.4	Hirota; Hisatoshi
1	US 6443708 B1	20020903	Compression volume control apparatus for refrigeration cycle	417/222.2		Hirota; Hisatoshi
1	US 6425528 B2	20020730	Expansion valve	236/92B	137/375; 62/225	Hirota; Hisatoshi et al.
1	US 6394761 B1	20020528	Capacity controller of capacity variable compressor	417/222.2	417/222.1	Hirota; Hisatoshi
1	US 6351959 B1	20020305	Refrigerating cycle with a by-pass line	62/198	62/217	Hirota; Hisatoshi
1	US	20011113	Pilot-	251/30.01	251/33	Hirota;

	6315266 B1		operated flow regulating valve			Hisatoshi et al.
1	US 6314753 B1	20011113	Supercooling degree- controlled expansion valve	62/528	137/543.23	Hirota; Hisatoshi et al.
1	US 6305179 B1	20011023	Expansion valve of refrigerating cycle consisting of capacity variable compressor	62/225	236/92B	Hirota; Hisatoshi
1	US 6302656 B1	20011016	Solenoid controlled valve and variable displacement compressor	417/222.2		Hirota; Hisatoshi
1	US 6296194 B1	20011002	Expansion valve	236/92B	236/92R	Hirota; Hisatoshi et al.
1	US 6279331 B1	20010828	Vehicular refrigerating cycle with a bypass line	62/117	62/196.4; 62/228.5	Hirota; Hisatoshi
1	US 6270015 B1	20010807	Radiator for a vehicle	237/12.3B	62/3.2	Hirota; Hisatoshi
1	US 6267562 B1	20010731	Variable displacement compressor	417/222.2		Hirota; Hisatoshi
1	US 6192695 B1	20010227	Refrigerating cycle	62/196.4	62/159; 62/503	Hirota; Hisatoshi
1	US 6152178 A	20001128	Four-way directional control valve	137/625.43	251/30.01	Hirota; Hisatoshi et al.
1	US 6145541 A	20001114	Four-way selector valve	137/627.5	137/596.15; 137/596.16; 137/596.18	Hirota; Hisatoshi
1	US	19991207	Air	62/324.6	137/597;	Hirota;

	5996369 A		conditioner with sub- condenser		137/884; 251/118	Hisatoshi
1	US 5702235 A	19971230	Capacity control device for valiable- capacity compressor	417/222.2	417/270; 91/505	Hirota; Hisatoshi et al.
1	US 5303864 A	19940419	Expansion valve	236/92B	62/225	Hirota; Hisatoshi
1	US 4722229 A	19880202	Pressure transducer	73/725	338/32R; 338/42	Hirota; Hisatoshi et al.
1	US 4602513 A	19860729	Pressure converter	73/725	338/32R; 338/42	Hirota; Hisatoshi et al.
1	US 4593166 A	19860603	Dual action pressure switch	200/83J	200/81.4; 200/83P	Hirota; Hisatoshi et al.
1	US 4591677 A	19860527	Three- function pressure switch	200/83J	200/81.4; 200/83P	Hirota; Hisatoshi et al.